

**ABSTRACT**

Particle detection and characterizing apparatus has an insulating tube along which the particles flow. Five electrodes spaced along the outside of the tube are connected via amplifiers to a processor arranged to measure the charge on the particles. The apparatus also includes a laser and photomultiplier tube arranged to measure the size of the particles so that the nature of the particles can be characterized from their electrical charge and size.

## Application Data Sheet

### Application Information

Application Type::	Regular
Subject Matter::	Utility
Suggested classification::	
Suggested Group Art Unit::	
CD-ROM or CD-R?::	None
Computer Readable Form (CRF)?::	No
Title::	PARTICLE DETECTION
Attorney Docket Number::	041129-0115
Request for Early Publication?::	No
Request for Non-Publication?::	No
Suggested Drawing Figure::	
Total Drawing Sheets::	7
Small Entity?::	No
Petition included?::	No
Secrecy Order in Parent Appl.?::	No

### Applicant Information

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#### **Representative Information**

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**Domestic Priority Information**

<b>Application::</b>	<b>Continuity Type::</b>	<b>Parent Application::</b>	<b>Parent Filing Date::</b>
This Application	National Stage of	PCT/GB2004/003755	09/03/2004

**Foreign Priority Information**

<b>Country::</b>	<b>Application number::</b>	<b>Filing Date::</b>	<b>Priority Claimed::</b>
Great Britain	0320809.7	9/5/2003	Yes

**Assignee Information**

**Assignee Name::** SMITHS GROUP PLC